

**IUPIACE EHM103R**

(PPE+PS)-CD

Mitsubishi Engineering-Plastics Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2600	MPa	ISO 527
Stress at break	62	MPa	ISO 527
Strain at break	8	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	105	MPa	ISO 178
Charpy impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	150	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Surface resistivity	2000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1160	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	110 - 130	°C	-
Zone 1	290 - 310	°C	-
Zone 2	310 - 330	°C	-
Zone 3	310 - 330	°C	-
Screw speed	60 - 150	rpm	-
Injection pressure	20 - 150	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Increased electrical conductivity

**Applications**

Automotive, Electrical and Electronical, General Purpose

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa